

**From:** [May, Shaun](#)  
**To:** [Turner, Philip](#); [Heidi Bojes](#); [eddy.vance@tceq.texas.gov](mailto:eddy.vance@tceq.texas.gov); [david.durst@tceq.texas.gov](mailto:david.durst@tceq.texas.gov)  
**Cc:** [Scott Milton](#)  
**Subject:** Re: Final Sampling Protocol and Detection level - (b) (6) Street  
**Date:** Thursday, January 26, 2017 5:26:18 AM

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For clarification, by finished grade I mean to say the floor inside the home - 24" above the floor elevation of each room. Thanks

Shaun

Sent from my iPhone

On Jan 26, 2017, at 5:19 AM, May, Shaun <[Shaun.May@amarillo.gov](mailto:Shaun.May@amarillo.gov)> wrote:

Good morning,

Please see the email request from Jhana regarding confirmation sampling numbers and location. It appears that Dr. Milton will also need to decide on specific number and location of samples for confirmation sampling. Bearing in mind what was done with the air monitoring, can you all please provide your thoughts/recommendations regarding Jhana's specific request? This is a time sensitive request due to the lag time for ordering sampling supplies. Please respond ASAP so that we can keep things moving in a timely manner. I greatly appreciate your guidance and assistance with this request.

My thoughts are that we conduct one sample in the center of each room approximately 24" above finished grade. I would also consider including one in the master bedroom closet due to proximity of placement of materials (piles underneath the master bedroom) and confined nature of that space. I might also give consideration to the air monitoring locations that did initially give the highest readings. Do we also want to set criteria for temperature? A minimum of 60 degrees F inside the home seems appropriate to me.

I certainly don't mean to influence you all in any way, but I thought sharing my thoughts might aid the discussion.

Thank you

Shaun

Sent from my iPhone

Begin forwarded message:

**From:** "Enders, Jhana" <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)>  
**Date:** January 25, 2017 at 5:24:42 PM CST  
**To:** "May, Shaun" <[Shaun.May@amarillo.gov](mailto:Shaun.May@amarillo.gov)>  
**Subject:** RE: Final Sampling Protocol and Detection level -

(b) (6) Street

Thanks Shaun

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**From:** May, Shaun [<mailto:Shaun.May@amarillo.gov>]  
**Sent:** Wednesday, January 25, 2017 5:23 PM  
**To:** Enders, Jhana <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)>  
**Cc:** Orton, Chip <[Chip.Orton@amarillo.gov](mailto:Chip.Orton@amarillo.gov)>; [eddy.vance@tceq.texas.gov](mailto:eddy.vance@tceq.texas.gov); [david.durst@tceq.texas.gov](mailto:david.durst@tceq.texas.gov); Chester, BJ <[BJ.Chester@amarillo.gov](mailto:BJ.Chester@amarillo.gov)>; Milton, S <[s.milton@ttuhsc.edu](mailto:s.milton@ttuhsc.edu)>; Bojes, Heidi (DSHS) <[Heidi.Bojes@dshs.state.tx.us](mailto:Heidi.Bojes@dshs.state.tx.us)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; Britten, Brad <[Brad.Britten@amarillo.gov](mailto:Brad.Britten@amarillo.gov)>; West, Theresa <[Theresa.West@amarillo.gov](mailto:Theresa.West@amarillo.gov)>; Stoughton, Casie <[Casie.Stoughton@amarillo.gov](mailto:Casie.Stoughton@amarillo.gov)>  
**Subject:** Re: Final Sampling Protocol and Detection level - (b) (6) Street  
I see. Ok, I will consult with Dr. Milton.  
Shaun

Sent from my iPhone

On Jan 25, 2017, at 5:15 PM, Enders, Jhana <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)> wrote:

We monitored at multiple locations as there was no specific guidance given. Would like a recommendation from the group to ensure we are accurately addressing any concerns you might have. Thanks.

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**From:** May, Shaun [<mailto:Shaun.May@amarillo.gov>]  
**Sent:** Wednesday, January 25, 2017 5:09 PM  
**To:** Enders, Jhana <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)>; Orton, Chip <[Chip.Orton@amarillo.gov](mailto:Chip.Orton@amarillo.gov)>; [eddy.vance@tceq.texas.gov](mailto:eddy.vance@tceq.texas.gov); [david.durst@tceq.texas.gov](mailto:david.durst@tceq.texas.gov); Chester, BJ <[BJ.Chester@amarillo.gov](mailto:BJ.Chester@amarillo.gov)>  
**Cc:** 'Milton, S' <[s.milton@ttuhsc.edu](mailto:s.milton@ttuhsc.edu)>; Bojes, Heidi (DSHS) <[Heidi.Bojes@dshs.state.tx.us](mailto:Heidi.Bojes@dshs.state.tx.us)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; Britten, Brad <[Brad.Britten@amarillo.gov](mailto:Brad.Britten@amarillo.gov)>; West, Theresa <[Theresa.West@amarillo.gov](mailto:Theresa.West@amarillo.gov)>; Stoughton, Casie <[Casie.Stoughton@amarillo.gov](mailto:Casie.Stoughton@amarillo.gov)>  
**Subject:** RE: Final Sampling Protocol and Detection level - (b) (6) Street

My assumption is that they would be the same number and the same locations that were used during the air monitoring phase as we are conducting confirmatory sampling. I would certainly defer to any recommendations from Dr. Milton, Dr.

Bojes, and Dr. Turner. However, if specific numbers and locations were not used each time during the monitoring phase, then we will need obviously need to determine numbers and locations.

Shaun

808 South Buchanan Street  
P.O. Box 1971  
Amarillo, TX 79105-1971

Ofc. (806) 378-9473  
Cell. (850) 797-1778  
Fax. (806) 378-3585

[amarillo.gov](http://amarillo.gov)

**Shaun C. May, M.P.H., R.E.H.S.**  
**Environmental Health Director**  
**Bi-City-County Health District**  
[shaun.may@amarillo.gov](mailto:shaun.may@amarillo.gov)

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**From:** Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]

**Sent:** Wednesday, January 25, 2017 5:04 PM

**To:** May, Shaun; Orton, Chip; [eddy.vance@tceq.texas.gov](mailto:eddy.vance@tceq.texas.gov);  
[david.durst@tceq.texas.gov](mailto:david.durst@tceq.texas.gov); Chester, BJ

**Cc:** 'Milton, S'; Bojes, Heidi (DSHS); Turner, Philip; Britten, Brad; West, Theresa; Stoughton, Casie

**Subject:** RE: Final Sampling Protocol and Detection level - (b) (6)  
Street

Ok, need just a little more info...how many samples and where do you want them collected from? Thanks.

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**From:** May, Shaun [<mailto:Shaun.May@amarillo.gov>]

**Sent:** Wednesday, January 25, 2017 2:59 PM

**To:** Orton, Chip <[Chip.Orton@amarillo.gov](mailto:Chip.Orton@amarillo.gov)>; Enders, Jhana <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)>; [eddy.vance@tceq.texas.gov](mailto:eddy.vance@tceq.texas.gov);  
[david.durst@tceq.texas.gov](mailto:david.durst@tceq.texas.gov); Chester, BJ <[BJ.Chester@amarillo.gov](mailto:BJ.Chester@amarillo.gov)>

**Cc:** 'Milton, S' <[s.milton@ttuhsc.edu](mailto:s.milton@ttuhsc.edu)>; Bojes, Heidi (DSHS) <[Heidi.Bojes@dshs.state.tx.us](mailto:Heidi.Bojes@dshs.state.tx.us)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; Britten, Brad <[Brad.Britten@amarillo.gov](mailto:Brad.Britten@amarillo.gov)>; West, Theresa <[Theresa.West@amarillo.gov](mailto:Theresa.West@amarillo.gov)>; Stoughton, Casie <[Casie.Stoughton@amarillo.gov](mailto:Casie.Stoughton@amarillo.gov)>

**Subject:** Final Sampling Protocol and Detection level - (b) (6) Street

**Importance:** High

Good morning everyone,

Dr. Milton , myself, Dr. Bojes, and Dr. Turner discussed final

confirmation sampling for (b) (6) Street yesterday afternoon. Dr. Bojes and Dr. Turner presented their recommendation for the detection level and methodology for confirmation sampling. Their recommendation to Dr. Milton was to use the OSHA Method 1003 for Phosphine Gas. The detection level for this method is 10 ppb or 13  $\mu\text{g}/\text{m}^3$ . Dr. Milton has agreed to proceed with the recommendation. Dr. Turner will be coordinating with Jhana and the contractors under her supervision. At this time, we do not have a exact time estimate on the delivery of the sampling cassettes or their arrival on-site here in Amarillo. It is our understanding that Jhana, with support from Dr. Turner, will be overseeing the confirmation sampling protocol.

I have attached a link to the sampling protocol for reference

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<https://www.osha.gov/dts/sltc/methods/mdt/mdt1003/1003.html>

Please let me know if you have any questions or concerns.

Additionally, I have spoken with Dr. Milton and he approves dropping the 24-security detail for the property/home provided that the gate to the property can be locked/secured along with the home being secured/locked.

Thanks

Shaun



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**Shaun C. May, M.P.H., R.E.H.S.  
Environmental Health Director  
Bi-City-County Health District  
[shaun.may@amarillo.gov](mailto:shaun.may@amarillo.gov)**